

IN THE SPECIFICATION

Please replace the two paragraphs at page 3, line 14-26, of the substitute specification filed on May 14, 2005 with the following two amended paragraphs:

In still another embodiment of the invention, the solution may contain at least one anionic surfactant chosen from (a) ~~alkali metal, alkaline earth metal, ammonium or alkylamine salts of C8-C16 alkyl benzene sulfonic acid~~ C8-C16 alkyl benzene sulfonic acids and alkali metal, alkaline earth metal, ammonium or alkylamine salts thereof; (b) C8-C18 alkyl sulfonic acid; (c) C8-C16 alkyl sulfates; and (d) C6 – C12 alkyl diphenyl oxide sulfonate [[diphenyl sulfonate]] surfactants, in a concentration of from 0.01 to 10% w/w, or from 0.01 to 6% w/w, 0.01 to 5% w/w, 0.01 to 3% w/w, or 0.05 to 1% w/w, based on the total weight of the solution. The at least one anionic surfactant may be an alkyl benzene sulfonic acid and, preferably, dodecyl benzene sulfonic acid.

In an embodiment suitable for inactivating resistant, hydrophilic viruses, the solution may further comprise a C6 – C12 alkyl diphenyl oxide sulfonate [[diphenyl sulfonate]] surfactant in a concentration of from 0.01 to 5% w/w, 0.05 to 3% w/w, 0.05 to 2% w/w, or from 0.05 to 1.5% w/w, based on the total weight of the solution. The surfactant may be a C10 alkylated sulfonated diphenyl oxide sodium salt.

Please replace the paragraphs at page 7, line 12 to page 8, line 7 with the following amended paragraphs:

If inactivation of hydrophilic viruses is desired, the solution may contain at least one C6 – C12 alkyl diphenyl oxide sulfonate [[diphenyl sulfonate]] surfactant (e.g. alkyl diphenyl oxide disulfonate surfactant). This ingredient has been found to not only impart hydrotrope and detergent properties to the mixture, but also, surprisingly, to play a key role in the inactivation of difficult to mitigate hydrophilic viruses. The inclusion of this ingredient is believed to provide the necessary broad activity spectrum of a tuberculocidal product. Examples of this ingredient are the alkyl diphenyl oxide disulfonate surfactants manufactured commercially by the Dow Company in association with the trademark DowFax. The preferred concentration of this ingredient is from 0.05 to 3.0% w/w of the solution.

The solution may also contain from 0.005 to 3.0% w/w of at least one nonionic surfactant chosen from the family of ethoxylated alcohols and alkylglycosides of hydrophile lyophile balance between 5.0-15.0, or from the group of sufficiently water-soluble block copolymers of ethylene oxide or propylene oxide. These ingredients impart low surface tension to the solution, improving its wetting and detergency properties. These surfactants are stable in the presence of acid hydrogen peroxide media, and do not contribute to excessive hydrogen peroxide decomposition. They are available commercially from numerous manufacturers. Examples include surfactants sold in association with (a) the trademark Alfonic by CondeaVista, (b) the trademark Tergitol by Union Carbide, and (c) the trademark Pluronic and Tetronic by BASF. The solution may also contain at least one anionic surfactant chosen from ~~alkali metal, alkaline earth metal, ammonium or alkylamine salts of C8-C16 alkyl benzene sulfonic acid~~ C8-C16 alkyl benzene sulfonic acids and alkali metal, alkaline earth metal, ammonium or alkylamine salts thereof, C8-C18 alkyl sulfonic acid, or C8-C16 alkyl ethoxylated or non ethoxylated sulfates, in a concentration of from 0.01 to 5.0% w/w of the mixture. These ingredients help impart deterative properties to the solution, and are particularly useful if the solution is used in a cleaning step prior to formal disinfection. These ingredients are available commercially from many vendors. Examples include products sold in association with the trademarks Biosoft and Stepanol by Stepan and the trademark Hostapur by Hoechst.